

06 MAY 2005

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023-2003 WO1

**PCT REQUEST**

Original (for SUBMISSION) - printed on 25.11.2003 02:47:19 PM

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using <b>PCT-EASY Version 2.92 (updated 01.11.2003)</b>	
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	<b>Danish Patent and Trademark Office (RO/DK)</b>
0-7	Applicant's or agent's file reference	<b>023-2003 WO1</b>
I	Title of invention	<b>PEPTIDE GAP JUNCTION MODULATORS</b>
II	Applicant	
II-1	This person is:	<b>applicant only</b>
II-2	Applicant for	<b>all designated States except US</b>
II-4	Name	<b>ZEALAND PHARMA A/S</b>
II-5	Address:	<b>Smedeland 26B DK-2600 Glostrup Denmark</b>
II-6	State of nationality	<b>DK</b>
II-7	State of residence	<b>DK</b>
II-8	Telephone No.	<b>+45 43 28 12 00</b>
II-9	Facsimile No.	<b>+45 43 28 12 12</b>
II-10	e-mail	<b>info@zp.dk</b>
III-1	Applicant and/or inventor	
III-1-1	This person is:	<b>applicant and inventor</b>
III-1-2	Applicant for	<b>US only</b>
III-1-4	Name (LAST, First)	<b>LARSEN, Bjarne, Due</b>
III-1-5	Address:	<b>Arildsgaard 5, 1. th. DK-2700 Brønshøj Denmark</b>
III-1-6	State of nationality	<b>DK</b>
III-1-7	State of residence	<b>DK</b>

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III-2	<b>Applicant and/or inventor</b>	
III-2-1	This person is:	
III-2-2	Applicant for	
III-2-4	Name (LAST, First)	
III-2-5	Address:	
III-2-6	State of nationality	
III-2-7	State of residence	
III-3	<b>Applicant and/or inventor</b>	
III-3-1	This person is:	
III-3-2	Applicant for	
III-3-4	Name (LAST, First)	
III-3-5	Address:	
III-3-6	State of nationality	
III-3-7	State of residence	
V	<b>Designation of States</b>	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	
AP: BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT		
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW		

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V-5	<b>Precautionary Designation Statement</b>  In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.		
V-6	<b>Exclusion(s) from precautionary designations</b>	<b>NONE</b>	
VI-1	<b>Priority claim of earlier national application</b>		
VI-1-1	Filing date	<b>25 November 2002 (25.11.2002)</b>	
VI-1-2	Number	<b>60/428,973</b>	
VI-1-3	Country	<b>US</b>	
VII-1	<b>International Searching Authority Chosen</b>	<b>European Patent Office (EPO) (ISA/EP)</b>	
VIII	<b>Declarations</b>	<b>Number of declarations</b>	
VIII-1	Declaration as to the identity of the inventor	<b>-</b>	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	<b>-</b>	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	<b>-</b>	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	<b>-</b>	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	<b>-</b>	
IX	<b>Check list</b>	<b>number of sheets</b>	<b>electronic file(s) attached</b>
IX-1	Request (including declaration sheets)	<b>4</b>	<b>-</b>
IX-2	Description	<b>54</b>	<b>-</b>
IX-3	Claims	<b>8</b>	<b>-</b>
IX-4	Abstract	<b>1</b>	<b>EZABST00.TXT</b>
IX-5	Drawings	<b>3</b>	<b>-</b>
IX-7	<b>TOTAL</b>	<b>70</b>	
IX-8	<b>Accompanying items</b>	<b>paper document(s) attached</b>	<b>electronic file(s) attached</b>
IX-17	Fee calculation sheet	<b>✓</b>	<b>-</b>
IX-17	PCT-EASY diskette	<b>-</b>	<b>Diskette</b>
IX-19	<b>Figure of the drawings which should accompany the abstract</b>		
IX-20	<b>Language of filing of the international application</b>	<b>English</b>	

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X-1	Signature of applicant, agent or common representative	 ZEALAND PHARMA A/S Maj Hilligsøe Patent Manager
X-1-1	Name	
X-1-2	Name of signatory	
X-1-3	Capacity	

**FOR RECEIVING OFFICE USE ONLY**

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

**FOR INTERNATIONAL BUREAU USE ONLY**

11-1	Date of receipt of the record copy by the International Bureau	
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**PCT (ANNEX - FEE CALCULATION SHEET)**

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(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only International Application No.			
0-2	Date stamp of the receiving Office			
0-4	Form - PCT/RO/101 (Annex) PCT Fee Calculation Sheet Prepared using	PCT-EASY Version 2.92 (updated 01.11.2003)		
0-9	Applicant's or agent's file reference	023-2003 WO1		
2	Applicant	ZEALAND PHARMA A/S, et al.		
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (DKK)	
12-1	Transmittal fee T	⇒	1,500	
12-2-1	Search fee S	⇒	7,030	
12-2-2	International search to be carried out by EP			
12-3	International fee			
	Basic fee (first 30 sheets) b1		3,300	
12-4	Remaining sheets 40			
12-5	Additional amount (X) 80			
12-6	Total additional amount b2		3,200	
12-7	b1 + b2 = B		6,500	
12-8	Designation fees			
	Number of designations contained in international application 99			
12-9	Number of designation fees payable (maximum 5) 5			
12-10	Amount of designation fee (X) 710			
12-11	Total designation fees D		3,550	
12-12	PCT-EASY fee reduction R		-1,020	
12-13	Total International fee (B+D-R) I	⇒	9,030	
12-17	<b>TOTAL FEES PAYABLE (T+S+I+P)</b>	⇒	17,560	
12-19	Mode of payment	cheque		

**VALIDATION LOG AND REMARKS**

13-2-7	Validation messages Contents	Green? Figure of the drawings which should accompany the abstract not specified. Please verify.
		Green? Priority 1. The priority document is not enclosed. (The applicant must furnish it within 16 months from the earliest priority date claimed)

**PCT (ANNEX - FEE CALCULATION SHEET)**

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13-2-8	Validation messages Fees	<b>Green?</b> <b>Please confirm that fee schedule utilized is the latest available</b>
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Disclosed are dipeptides that facilitate the intercellular communication mediated by gap junctions. The invention has a wide spectrum of useful applications including use in the treatment of diseases associated with impaired junction intracellular communication (GJIC).

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### PCT-EASY INFORMATION SHEET

(For applicant use only, DO NOT submit this sheet with the international application)

#### VALIDATION LOG

Green?	<b>Contents</b> Figure of the drawings which should accompany the abstract not specified. Please verify.
Green?	Priority 1. The priority document is not enclosed. (The applicant must furnish it within 16 months from the earliest priority date claimed)
Green?	<b>Fees</b> Please confirm that fee schedule utilized is the latest available

Before submitting the International Application, please carefully verify that:

- the information contained on printed Request form is correct;
- Box X of the Request form has been signed;
- all elements of the international application as indicated in Boxes VIII and IX of the Request form have been attached; and,
- the diskette containing the PCT-EASY zip file of the International Application has been enclosed and has been clearly labeled "PCT-EASY", with the applicant's or agent's file reference, and the first applicant's name.

#### ATTENTION

DO NOT modify any indications on the Request form printout. The electronic version of the PCT-EASY application has been locked. If an error or an omission is discovered at this time, you must reopen the stored form for submission, perform necessary amendments and immediately resubmit the form. Finally, a NEW submission diskette must be created manually by resending the corrected stored form to the diskette. The previously created printout and submission diskette must be destroyed in order to prevent the possibility of erroneously sending it to the RO.